


PCT

<b>FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (MODIFIED)</b>  <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> X15628  <b>U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)</b> <b>10/579562</b>	
<b>INTERNATIONAL APPLICATION NO.</b> PCT/US2004/037182	<b>INTERNATIONAL FILING DATE</b> 16 November 2004 (16.11.2004)	<b>PRIORITY DATE CLAIMED</b> 20 November 2003 (20.11.2003)	
<b>TITLE OF INVENTION: VITAMIN D RECEPTOR MODULATORS</b>			
<b>APPLICANT(S) FOR DO/EO/US: Emilio Enrique Bunel, Robert Peter Gajewski, Charles David Jones, Jianliang Lu, Sunil Nagpal, Tianwei Ma, and Ying Kwong Yee</b>			
Applicant herewith submits to the U.S. Designated/Elected Office (DO/EO/US) the following items and other information:			
1.	<input checked="" type="checkbox"/>	This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.	
2.	<input type="checkbox"/>	This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.	
3.	<input type="checkbox"/>	This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).	
4.	<input checked="" type="checkbox"/>	The US has been elected (Article 31).	
5.	<input checked="" type="checkbox"/>	A copy of the International Application as filed (35 U.S.C. 371(c)(2))	
	a.	<input type="checkbox"/>	is transmitted herewith (required only if not transmitted by the International Bureau).
	b.	<input type="checkbox"/>	has been transmitted by the International Bureau.
	c.	<input checked="" type="checkbox"/>	is not required, as the application was filed in the United States Receiving Office (RO/US).
6.	<input type="checkbox"/>	A translation of the International Application into English (35 U.S.C. 371(c)(2)).	
7.	<input checked="" type="checkbox"/>	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))	
	a.	<input type="checkbox"/>	are transmitted herewith (required only if not transmitted by the International Bureau).
	b.	<input type="checkbox"/>	have been transmitted by the International Bureau.
	c.	<input type="checkbox"/>	have not been made; however, the time limit for making such amendments has NOT expired.
	d.	<input checked="" type="checkbox"/>	have not been made and will not be made.
8.	<input type="checkbox"/>	A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).	
9.	<input checked="" type="checkbox"/>	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).	
10.	<input checked="" type="checkbox"/>	A declaration of the inventors 35 U.S.C. 371(c)(4) was provided in the PCT Request Form.	
11.	<input type="checkbox"/>	A copy of the International Preliminary Examination Report (IPER), including any annexes, and, if not in English, an English language translation of the annexes to the IPER under PCT Article 36 (35 U.S.C. 371(c)(5)).	
<b>Items 12. to 18. below concern document(s) or information included:</b>			
12.	<input checked="" type="checkbox"/>	An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input checked="" type="checkbox"/> Search Report/Written Opinion (ISA/EP)	
13.	<input checked="" type="checkbox"/>	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.	
14.	<input type="checkbox"/>	Assignment has been recorded at reel _____, frame _____.	
15.	<input checked="" type="checkbox"/>	A <b>FIRST</b> preliminary amendment.	
	<input type="checkbox"/>	A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.	
16.	<input type="checkbox"/>	A Sequence Listing, 1.821 Statement, and diskette.	
17.	<input checked="" type="checkbox"/>	A change of power of attorney with attachment.	
18.	<input checked="" type="checkbox"/>	Other items or information: Please amend the first page of the specification by inserting the following cross-reference after the title: "This is the national phase application, under 35 USC 371, for PCT/US2004/037182, filed 16 November 2004 (16.11.2004), which, claims the benefit, under 35 USC 119(e), of US provisional application 60/523,301, filed 20 November 2003 (20.11.2003)."	

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/579562</div>	INTERNATIONAL APPLICATION NO. PCT/US2004/037182	ATTORNEY'S DOCKET NUMBER X15628
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19.	X	The following fees are submitted:	CALCULATIONS PTO USE ONLY		
(a)		Basic national fee (37 CFR 1.492(a)).....\$300.00	\$300.00		
(b)		Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations.....\$200	\$200.00		
(c)		Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100  International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....\$400  All other situations.....\$500	\$400.00		
TOTAL AMOUNT (a + b + c) =			\$ 900.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	22-20=	2	X \$50.00	\$ 100.00	
Independent claims	6-3=	3	X \$200.00	\$ 600.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =			\$ 700.00		
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).			\$		
SUBTOTAL =			\$1,600.00		
Processing fee of \$130.00 for furnishing English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			\$		
TOTAL NATIONAL FEE =			\$1,600.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).			\$		
\$40.00 per property +					
TOTAL FEES ENCLOSED =			\$1,600.00		
			Amount to be refunded	\$	
			charged	\$	
a.		A check in the amount of \$_____ to cover the above fees is enclosed.			
b.	X	Please charge my Deposit Account No. 05-0840 in the amount of <u>\$1,600.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.			
c.	X	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 05-0840. A duplicate copy of this sheet is enclosed.			
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: ELI LILLY AND COMPANY PATENT DIVISION P.O. BOX 6288 INDIANAPOLIS, INDIANA 46206-6288 <div style="margin-top: 10px;"> <u>12 May 2006</u>            Date            42,021            REGISTRATION NUMBER         </div>		<div style="font-size: 1.5em; font-family: cursive;">James B. Myers</div> SIGNATURE James B. Myers  <div style="border-top: 1px solid black; margin-top: 10px;">             317-276-0755              TELEPHONE NUMBER           </div>	 <div style="font-size: 1.5em; font-weight: bold;">25885</div> PATENT TRADEMARK OFFICE		

80/579562

IN THE UNITED STATES RECEIVING OFFICE (USRO) **AP20 Rec'd PCT/PTO 12 MAY 2006**

Applicant(s): Emilio Enrique Bunel, Robert Peter Gajewski, Charles David Jones, Jianliang Lu, Sunil Nagpal, Tianwei Ma, and Ying Kwong Yee

International Application No.: PCT/US2004/037182

Filed: 16 November 2004 (16.11.2004)

Invention: VITAMIN D RECEPTOR MODULATORS

Lilly Reference: X15628

Earliest Priority Date: 20 November 2003 (20.11.2003)

**Certificate Under 37 C.F.R. § 1.10**

Attention: DO/EO

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir/Madam:

• "Express Mail" mailing label number: EV 393128711 US

Date of Deposit: May 12, 2006

I hereby certify that the following attached paper or fee

Transmittal Letter to the United States Designated/Elected Office (US) concerning a filing under 35 U.S.C. 371 of the International Application identified above is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Stacy J. Wyatt  
(Typed or printed name of person mailing paper)

Stacy J. Wyatt  
(Signature of person mailing paper or fee)

10/579562

PTO/SB/96 (8-96) (MODIFIED)  
Approved for use through 9/30/98, OMB 0651-0027  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**CERTIFICATE UNDER 37 CFR 3.75(b)**  
**IAP20 Rec'd PCT/PTO 12 MAY 2006**Applicant: Emilio Enrique Bunel, et al.Application No.: US Nat'l Phase of PCT/US2004/037182 Filed: 16 November 2004 (16.11.2004)Entitled: VITAMIN D RECEPTOR MODULATORSELI LILLY AND COMPANY

(Name of Assignee)

, a CORPORATION

(Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above.☐ The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_.☒ The assignment is being submitted separately for recordation; a copy of this assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date

12 May 2006James B. Myers  
James B. Myers  
Patent Counsel